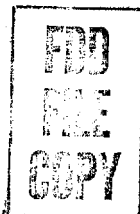


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12 AUG 60

Selected news items primarily on
the Sino-Soviet Bloc from latest
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Foreign Press Bulletin is a daily publication of the Foreign Documents Division giving press items of current interest which, to our knowledge, have not been reported by other media. The items are grouped by subject category.

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SCIENTIFIC AND TECHNICAL

ELECTRON-BEAM FURNACE -- Berlin, Neues Deutschland, 24 Jul 60

CPYRGHT

A 45-kilowatt electron-beam furnace with several chambers (Elektronenstrahl-Mehrkammerofen) is now undergoing tests in Dresden. This new vacuum furnace, having a high power concentration, allows precise smelting of metals and other highly refractory materials, even in the presence of highly vaporizing alloying materials. Pressure fluctuations have little effect on the furnace operation. The new furnace may also help in the development of new, highly efficient steel refining processes. The furnace was developed by an interenterprise team of the VEB (People-Owned Enterprise) Dresden Transformer and X-Ray Equipment Factory, the VEB Dresden-Uebigau Boiler Works, the VEB Dresden Turbine Factory, the Central Institute for Foundry Technology, and other enterprises engaged in the construction of equipment for vacuum technology.

PROPOSED VERTICAL TAKE-OFF AIRCRAFT -- Dresden, Deutsche Flugtechnik, Vol IV, No 6, Jun 60, p 189

The following is an FDD comment.

An artist's conception of a proposed wingless, slow-flying, jet-propelled vertical take-off aircraft having a 7-ton thrust and capable of transporting a 4.5-ton payload at a speed of about 460 kilometers per hour is reproduced in source. The caption does not identify the country planning to develop this aircraft.

NUCLEAR-POWERED LOCOMOTIVE -- Bucharest, Metalurgia si Constructia de Masini, Vol XII, No 5, May 60, pp 436-439

The following is an FDD comment.

An article in source said to be based on Rumanian, Soviet, and French sources notes that research has been done on the possibility of constructing a nuclear-powered locomotive, although the article does not

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specify the location. On the basis of experiments made in the USSR and the US, the article concludes, nuclear-powered locomotives do not seem economically feasible in the present stage of development of nuclear technology and nuclear power installations and with the present cost of uranium.

SOCIOLOGICAL

COMMUNIST COLLEGES ESTABLISHED -- P'yongyang, Nodong Simmun, 12 Jul 60,
CPYRGHI

The Korean Labor Party's Hungnam and Sariwon Communist colleges opened on 10 July 1960, the first Communist colleges to be established under a recently adopted policy. The Hungnam Communist College, with 420 students, most of them army veterans, will have its First Branch School in Hamhung and correspondence classes in Komdok Mine, Kowon Coal Mine, and Sinp'o. The Sariwon college will have its First Branch School in Hwanghae Ironworks and correspondence classes in Manmyon and Holdong mines. The colleges' main schools will be established in provincial seats and industrial centers, first branch schools in factories and enterprises, second branch schools within the main schools for agricultural workers, and correspondence classes in factories and enterprises having no main or branch schools. There will be one-year classes for training cadres holding office in local party and government organs and workers organizations.

Course of study for the main college will be 3 years and for the correspondence department, 4 years, and will include the study of party history, philosophy, political economics, scientific Communism, history of the international labor movement, Marxist-Leninist theory, and problems in party and state construction. Students working in factories and enterprises and studying at the main or branch schools will receive daily instructions at a specified time. Students working in rural areas will receive intensive instructions each school year during the slack season in the second branch schools. Correspondence students will receive study guidance from correspondence materials and hear lectures from instructors touring factories from time to time.

[Comment: For previous report on cadre training by proposed provincial Communist colleges, see Foreign Press Bulletin, 14 June 1960.]

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ECONOMIC

LEGALITIES OF FARM LAND OWNERSHIP -- Warsaw, Zielony Sztandar, 31 Jul 60

CPYRGHT

To enable the peasants to arrange matters of ownership, a 13 May 1960 directive of the Polish Ministers of Agriculture and Communal Economy establishes a 2-year transitory period during which all farmers must "legalize" heretofore informally acquired plots of land through official documents (notarized deeds, legal judicial statements, etc.). This period will end June 1962. Those who do not submit official documents to the powiat agricultural authorities confirming the division of land in the legally prescribed manner by 1962 will have land taxes levied on them on the basis of all the land owned by an individual without considering all the divisions made earlier.

Because of frequent changes of ownership through informal bequests and family divisions and informal inheritances, and without notarized deeds, it has been difficult for tax authorities to levy a just land tax. Also, it has been difficult for financial authorities to determine the rightful owner of the land, what area is actually being farmed, when an individual is merely the nominal owner of a portion of the land, and which lands are not being farmed privately.

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